SECRET

[redacted]

25X1

PAR 214

8 Sept 64

SUBJECT: Roller Transport Reversal Processor (12-Inch)

TASK/PROBLEM

1. Design and fabricate a versatile, self-threading photographic processor capable of handling both cut sheets and continuous webs of photographic material and adaptable to a process yielding either standard negative or reversal images. Interchange between processes to be accomplished with a minimum amount of effort.

DISCUSSION

2. Approximately eighty percent of all subassemblies and detail drawings have been released to the shops. These include:

a. Detector Roller Assembly
b. Crossover Assemblies
c. Rack Assemblies and Turnarounds
d. Rack Drive
e. Dryer Transport and Drive System
f. Tanks and Tank Modules, including
g. Covers and Side Panels

3. The design of a pump package is progressing satisfactorily. It will consist of an assembly of six pumping systems each complete with its separate pump, heat exchanger, and filter. It will be designed to abut the rear side of the processor and will also serve as the drain pan for the machine tanks. Heat exchangers used in the pumping systems will be designed with large heat transfer surface for operation with low (±1F) temperature difference between the controlled chemical and the controlling media (water).

4. A control panel used for mounting chemical and water metering equipment and temperature control equipment, will be mounted above the pump stand.

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PLANNED ACTIVITY

5. Work will continue at the current rate until fabrication of the machine is completed.

6. Anticipated completion date is April 1965.

7. Work will continue on briefing aid.